

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

Claims 1-9 (Cancelled).

10. (Currently Amended) A radio reception apparatus,
comprising:

a demodulator that performs selectively (i) coherent
detection of a received signal and (ii) delay detection of ~~a~~ the
received signal; and

a selector that selects one of said coherent detection and
said delay detection to be applied to the received signal by said
demodulator according to: (a) a relationship between a
communication speed of a packet and a channel variation speed,
(b) the length of the packet, or (c) said channel variation
speed.

11. (Previously Presented) A radio transmission apparatus,
comprising:

a modulator that performs (i) a first modulation and (ii) a
second modulation of a transmission signal to produce a first

modulated signal and a second modulated signal, respectively,
said first modulation corresponding to coherent detection and
said second modulation corresponding to delay detection; and
a selector that selects one of said first and second
modulated signals for transmission by said radio transmission
apparatus, wherein:

said selector selects between said first and second
modulated signals according to: (a) a relationship between a
communication speed of a packet and a channel variation speed,
(b) the length of the packet, or (c) said channel variation
speed.

12. (Previously Presented) A radio transmission apparatus,
comprising:

a modulator; and

a selector;

wherein said modulator performs selectively (i) a first
modulation corresponding to coherent detection and (ii) a second
modulation corresponding to delay detection, respectively, with
respect to a signal to be output by said selector for
transmission, and

wherein said selector selects between said first modulation
and said second modulation with respect to said signal to be

output by said selector for transmission, according to: (a) a relationship between a communication speed of a packet and a channel variation speed, (b) the length of the packet, or (c) said channel variation speed.

13. (Previously Presented) A communication terminal apparatus, comprising the radio reception apparatus of claim 10.

14. (Previously Presented) A communication terminal apparatus, comprising the radio transmission apparatus of claim 11.

15. (Previously Presented) A communication terminal apparatus, comprising the radio transmission apparatus of claim 12.

16. (Currently Amended) A communication terminal apparatus, comprising: ~~the a~~ radio reception apparatus of ~~claim 10~~ comprising a demodulator that performs selectively (i) coherent detection of a received signal and (ii) delay detection of a received signal; and a selector that selects one of said coherent detection and said delay detection to be applied to the received signal by said demodulator according to: (a) a

relationship between a communication speed of a packet and a channel variation speed, (b) the length of the packet, or (c) said channel variation speed; and

the radio transmission apparatus of claim 11.

17. (Currently Amended) A communication terminal apparatus, comprising:

the a radio reception apparatus of ~~claim 10~~ comprising a demodulator that performs selectively (i) coherent detection of a received signal and (ii) delay detection of a received signal; and a selector that selects one of said coherent detection and said delay detection to be applied to the received signal by said demodulator according to: (a) a relationship between a communication speed of a packet and a channel variation speed, (b) the length of the packet, or (c) said channel variation speed; and

the radio transmission apparatus of claim 12.

18. (Previously Presented) A base station apparatus, comprising the radio reception apparatus of claim 10.

19. (Previously Presented) A base station apparatus, comprising the radio transmission apparatus of claim 11.

20. (Previously Presented) A base station apparatus,
comprising the radio transmission apparatus of claim 12.

21. (Currently Amended) A base station apparatus,
comprising:

the a radio reception apparatus of claim 10 comprising a demodulator that performs selectively (i) coherent detection of a received signal and (ii) delay detection of a received signal; and a selector that selects one of said coherent detection and said delay detection to be applied to the received signal by said demodulator according to: (a) a relationship between a communication speed of a packet and a channel variation speed, (b) the length of the packet, or (c) said channel variation speed; and

the radio transmission apparatus of claim 11.

22. (Currently Amended) A base station apparatus,
comprising:

the a radio reception apparatus of claim 10 comprising a demodulator that performs selectively (i) coherent detection of a received signal and (ii) delay detection of a received signal; and a selector that selects one of said coherent detection and said delay detection to be applied to the received signal by said

demodulator according to: (a) a relationship between a communication speed of a packet and a channel variation speed, (b) the length of the packet, or (c) said channel variation speed; and

the radio transmission apparatus of claim 12.

23. (Currently Amended) A radio reception method, comprising:

(a) performing selectively coherent detection and delay detection of a received signal; and

(b) selecting one of said coherent detection and delay detection to be applied to the received signal in step (a) according to: (i) a relationship between a communication speed of a packet and a channel variation speed, (ii) the length of the packet, or (iii) said channel variation speed.